

## Density Practice

(Show your work!)

- 1) When you floated pennies in water using aluminum foil, which was the most important: the number of pennies or the amount of aluminum foil? Explain your answer.
  
  
  
  
  
  
  
  
  
  
- 2) If an item has a mass of 15 grams and has a volume of 5 ml of space, what is its density?
  
  
  
  
  
  
  
  
  
  
- 3) If an item has a mass of 75 grams with a volume of 25 cc of space, what is its density?
  
  
  
  
  
  
  
  
  
  
- 4) If an item takes up 1 ml of space and has a mass of 3 grams, what is its density?
  
  
  
  
  
  
  
  
  
  
- 5) If an item has a mass of 50 grams and has a density of 10 grams/milliliter, what is its volume?
  
  
  
  
  
  
  
  
  
  
- 6) If an item has a mass of 40 grams and has a density of 5 grams/cubic centimeter, what is its volume?

## **Density Practice**

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- 7) If an item has a density of 1 gram/milliliter and has a mass of 13 grams, what is its volume?
- 8) If an item takes up 100 ml of space and has a density of 1 gram/milliliter, what is its mass?
- 9) If an item has a volume of 25 cubic centimeters of space and has a density of 2 grams/cubic centimeter, what is its mass?
- 10) If an item takes up 1 ml of space and has a density of 17 grams/milliliter, what is its mass?